

Table 3.3
Cancer of the Brain and Other Nervous System (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program,
1975-2012 With up to Five Joinpoints, 1992-2012 With up to Three Joinpoints,
Females by Race/Ethnicity

	JP Trend 1		JP Trend 2		JP Trend 3		JP Trend 4		JP Trend 5		JP Trend 6		AAPC ^d	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2003-12	2008-12
<u>SEER 9 Delay-Adjusted Incidence^a, 1975-2012</u>														
All Races	1975-87	1.5*	1987-12	0.0									0.0	0.0
White	1975-87	1.7*	1987-12	0.1									0.1	0.1
Black	1975-12	0.7*											0.7*	0.7*
<u>SEER 13 Delay-Adjusted Incidence^b, 1992-2012</u>														
All Races	1992-12	0.0											0.0	0.0
White	1992-12	0.1											0.1	0.1
Black	1992-12	0.4											0.4	0.4
<u>SEER 9 Observed Incidence^a, 1975-2012</u>														
All Races	1975-87	1.6*	1987-12	-0.1									-0.1	-0.1
White	1975-87	1.7*	1987-12	0.0									0.0	0.0
Black	1975-12	0.6*											0.6*	0.6*
<u>SEER 13 Observed Incidence^b, 1992-2012</u>														
All Races	1992-12	-0.2											-0.2	-0.2
White	1992-12	-0.1											-0.1	-0.1
White NH ^{ef}	1992-12	0.2											0.2	0.2
Black	1992-12	0.2											0.2	0.2
Black NH ^{ef}	1992-12	0.2											0.2	0.2
API ^e	1992-12	-0.3											-0.3	-0.3
AI/AN ^{eg}	-	-											-	-
Hispanic ^f	1992-12	-1.0*											-1.0*	-1.0*
<u>U.S. Cancer Mortality^c, 1975-2012</u>														
All Races	1975-92	1.0*	1992-06	-1.1*	2006-12	0.1							-0.3	0.1
White	1975-91	1.0*	1991-12	-0.7*									-0.7*	-0.7*
Black	1975-77	10.9	1977-84	-1.2	1984-87	5.5	1987-97	0.0	1997-06	-1.8*	2006-12	1.2	0.2	1.2
<u>U.S. Cancer Mortality^c, 1992-2012</u>														
All Races	1992-06	-1.1*	2006-12	0.1									-0.3	0.1
White	1992-06	-1.0*	2006-12	0.2									-0.2	0.2
White NH ^{ef}	1992-06	-0.8*	2006-12	0.3									-0.1	0.3
Black	1992-12	-0.8*											-0.8*	-0.8*
Black NH ^{ef}	1992-12	-0.7*											-0.7*	-0.7*
API ^e	1992-12	-0.5											-0.5	-0.5
AI/AN ^{eg}	1992-12	0.6											0.6	0.6
Hispanic ^f	1992-12	0.0											0.0	0.0

Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute. (<http://surveillance.cancer.gov/joinpoint/>).
^a The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).
^b Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).
^c Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
^d Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
^e The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
^f API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
^g Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska
^{*} Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry.
⁻ The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
^g Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
^{*} The APC/AAPC is significantly different from zero (p<.05).
⁻ Joinpoint regression line analysis could not be performed on data series.